

## **Senior Battery Research Scientist**

### **About us:**

Faradion Limited is a leader in the development of next generation rechargeable batteries for the utility, automotive and consumer sectors. It has established research and development facilities at two UK sites, Oxford and Sheffield, has a growing IP portfolio and a committed team of scientists and engineers.

The company is leading a recently established consortium to [develop a Sodium-ion battery for solar storage](#); this is a really exciting time for Faradion and shows the interest and drive in the market for further energy storage applications. Additionally, another Faradion partnership has just received £1.3 million to significantly reduce the cost of electric vehicle batteries by using cheaper sodium-ion technology.

To aid this research and development, they are seeking inquisitive minds, committed researchers and Chemistry professionals to grow and sustain the innovative environment at Faradion. Currently a team of 15, joining staff can expect an environment where deep thinking, academic creativity and novel approaches are all hugely valued. Individuals who enjoy idea generation, asking ‘why’ as well as ‘how’, and want to be part of a team engineering energy solutions for the future will certainly thrive here.

To find out more, visit: <http://www.faradion.co.uk>

### **About the role:**

You will be taking the lead on key R&D activities, with technicians and scientists reporting to you. On a daily basis, you might be:

- Conducting experimental design and implementation for assessment of Na-ion battery performance
- Analysing data for battery development including physical and chemical characterisation and electrochemical testing
- Preparing technical reports for dissemination throughout the company, making recommendations for technical progression
- Directing and co-ordinating the technicians and scientists that report to you, ensuring that experimental work is carried out efficiently, effectively and to a consistently high standard
- Reporting progress in regular updates to the Cell Development Manager

### **About you:**

- You'll have a PhD in a relevant subject, such as Chemistry, Electrochemistry, Materials Science or similar
- You'll have 3+ years' experience of working with Li-ion or preferably Na-ion active materials, and cell build and electrochemical measurement techniques
- You'll appreciate that the development of new technology is time sensitive and the market is always changing; you're the kind of person who is excited to join a dynamic

environment where things are always moving forward and ideas are continually put forward and tested

- You'll have a proven track-record of contributing to scientific technical development in an R&D environment
- You'll have experience with energy storage materials, inert atmosphere glove box procedures, electrochemical techniques and characterisation methods
- From a previous role, you'll be able to demonstrate the application of experimental design methods and shown project management
- Finally, you'll have some experience leading a small team of scientific employees

**Important information:**

Location: Sheffield, South Yorkshire, UK

Start date: July/August 2017

Salary: Competitive/negotiable based on experience

**How to apply:**

Please submit a CV and covering letter to Amy Collins: amy@gradconsult.co.uk by 9am on Monday 26<sup>th</sup> June 2017, and clearly specify which role you are applying for.

In your covering letter, please tell us how your research to date could advance Faradion's R&D activities, and outline skills and previous experiences that you feel are relevant to this post.